

IN THE CLAIMS:

Please cancel Claims 46, 49, 51, 54, 58, 64, 66, 68, 70 and 71 without prejudice or disclaimer of subject matter and amend the claims as shown below. The claims, as pending in the subject application, read as follows:

1. (Previously Presented) A method for managing resources of a wireless computer communication network, wherein said network comprises at least one base station and a plurality of processing devices as mobile stations, for processing a computer document stored on a processing control device connected by said network to at least one of said processing devices, said method comprising the steps of:

locating said processing devices in said network so as to obtain a position of each of said processing devices in said network, said locating step comprising a step of switching a station operating as a mobile station to a base station operating mode when there are an insufficient number of base stations in said network to perform said locating step; and

a first selecting step of selecting, from among said plurality of processing devices, at least one processing device as a function of a group of position criteria relating to the position of said processing devices, so as to obtain a first selected group of processing devices.

2. (Previously Presented) The method according to claim 1, further comprising, after said first selection step, a second step of selecting, among said first

selected group of processing devices, one processing device as a function of a group of operating criteria relating to the functioning of said processing devices.

3. (Previously Presented) The method according to claim 1, wherein said group of position criteria includes characteristics chosen from among a place in which said processing device is situated, the device's proximity with respect to a given place, the device's distance with respect to a given place, or the device's distance with respect to said control device.

4. (Previously Presented) The method according to claim 1 wherein:
a search operation is performed, consisting of seeking the presence of at least one base station in an environment of said processing device;

if the presence of at least one base station is detected, for each base station detected, a measuring operation is performed, consisting of measuring the position of said processing devices and determining the precision of the measurement made;

and, if the precision of the measurement made is less than a predetermined value:

a change of mode request operation is performed, consisting of requesting a hybrid station operating in mobile station mode to switch into base station operating mode;
and

a switching operation is performed, consisting of, for said hybrid station, switching from mobile station operating mode to base station operating mode, in order to constitute a new base station.

5. (Previously Presented) The method according to claim 4, wherein, during said measuring operation, the position of said processing devices which are mobile stations is measured from a plurality of information items transmitted by the detected base station .

6. (Previously Presented) The method according to claim 5, wherein, during said measuring operation, said plurality of information items includes a value of the power of the radio signal received from the base station.

7. (Previously Presented) The method according to claim 5, wherein said plurality of information items further includes a value of a mobility parameter broadcast by the base station.

8. (Previously Presented) The method according to claim 5, wherein said plurality of information items further includes a value of a position parameter broadcast by the base station.

9. (Previously Presented) The method according to claim 2, wherein said group of operating criteria includes parameters relating to the configuration capability of said processing devices.

10. (Previously Presented) The method according to claim 9, wherein the value of said parameters relating to the configuration capability is determined as a function of the content of said computer document to be processed.

11. (Previously Presented) The method according to claim 2, wherein said group of operating criteria includes characteristics chosen from among a type of processing devices, the ability to process a color file, the ability to process a file on both sides of a paper, a maximum resolution factor, a number of grey levels or a number of color shades, or a bandwidth available on the network.

12. (Previously Presented) The method according to claim 2, wherein said group of operating criteria includes a maximum number of documents awaiting processing.

13. (Previously Presented) The method according to claim 2 further comprising, after said second selection step, a step of automatic configuration of said one processing device.

14. (Previously Presented) The method according to claim 13, wherein the configuration step is performed as a function of content of said document to be processed .

15. (Previously Presented) The method according to claim 13 further comprising a step of analyzing content of said document to be processed before the configuration step.

16. (Previously Presented) The method according to claim 15 further comprising a step of translating the document to be processed in the form of graphical instructions before the analysis step.

17. (Previously Presented) The method according to claim 16, wherein the analysis step is performed using said graphical instructions.

18. (Previously Presented) The method according to claim 15 further comprising a step of choosing a correct configuration of the processing device .

19. (Previously Presented) The method according to claim 18, wherein the choosing step is performed using the results of the analysis of the document to be processed.

20. (Previously Presented) The method according to claim 18 further comprising a step of obtaining additional data before the step of choosing a correct configuration.

21. (Previously Presented) The method according to claim 20, wherein said obtaining step is performed by reading operating parameters of said processing device among at least a type of printing ink used and a type of paper.

22. (Previously Presented) The method according to claim 20, wherein said obtaining step is performed by interrogating a user on operating parameters of said processing device among at least a draft operating mode, a type of printing ink and a type of paper.

23. (Previously Presented) The method according to claim 1, wherein content of said computer document is grouped together by page.

24. (Previously Presented) The method according to claim 15, wherein the analysis step comprises steps according to which:

it is sought whether or not open graphical functions exist;

it is sought whether or not closed graphical functions exist;

it is sought whether or not representations in bitmap mode exist; and

it is sought whether or not text functions exist.

25. (Previously Presented) The method according to claim 18, wherein the configuration choosing step is adapted to choose said correct configuration among a set of prerecorded configurations for said processing device, dependent on the content of the document.

26. (Previously Presented) The method according to claim 20, wherein the configuration choosing step is adapted to choose said correct configuration among a set of

prerecorded configurations for said processing device, dependent on the content of the document and additional data.

27. (Previously Presented) The method according to claim 26, wherein said set of prerecorded configurations includes at least a configuration for a draft operating mode, a configuration for the processing of images, a configuration for the processing of graphics, and a configuration for the processing of a text.

28. (Previously Presented) The method according to claim 27, wherein said set of prerecorded configurations includes subsets containing a configuration for a draft operating mode, a configuration for the processing of images, a configuration for the processing of graphics, and a configuration for the processing of a text, wherein each subset is defined for a unique combination of printing ink and paper type used .

29. (Previously Presented) The method according to claim 1, wherein said processing includes a printing of said computer document, the processing device being a printer.

30. (Previously Presented) The method according to claim 1, wherein said processing includes a transfer of said computer document over a telephone communication network, wherein the processing devices are modems or facsimile machines.

31. (Currently Amended) A device system for managing resources of a wireless computer communication network, wherein said network comprises at least one base station and a plurality of processing devices as mobile stations, for processing a computer document stored on a processing control device connected by said network to at least one of said processing devices, said managing device system comprising:

a locating means for locating device that locates said processing devices in said network so as to obtain a position of each of said devices in said network, said locating ~~means~~ device comprising ~~means for~~ a switching device that switches a station operating as a mobile station to a base station operating mode when there are an insufficient number of base stations in said network to perform the locating[[]]; and

a first selecting means for selecting device that selects, among said plurality of processing devices, at least one processing device as a function of a group of position criteria relating to the position of said processing devices, so as to obtain a first selected group of processing devices.

32. (Currently Amended) The device system according to claim 31 further comprising a second selecting means for selecting device that selects, among said first selected group of processing devices, one processing device as a function of a group of operating criteria relating to the functioning of said processing devices.

33. (Currently Amended) The device system according to claim 31, wherein said group of position criteria includes characteristics chosen from among a place in which said processing device is situated, the device's proximity with respect to a given

place, the device's distance with respect to a given place, or the device's distance with respect to the control device.

34. (Currently Amended) A ~~device~~ system according to claim 31 further comprising:

~~a seeking means for seeking~~ device that seeks the presence of at least one base station in an environment of said processing device;

~~a measuring means for~~ device that, if the presence of at least one base station is detected, for each base station detected, ~~measuring~~ measures the position of said processing devices and ~~determining~~ determines the precision of the measurement made;

~~a mode changing device that requests~~ means for requesting a change of mode to request that a hybrid station operating in mobile station mode switch into base station operating mode if the precision of the measurement made is less than a predetermined value; and

~~a switching means for enabling~~ device that enables said hybrid station to switch from the mobile station operating mode to the base station operating mode, in order to constitute a new base station.

35. (Currently Amended) The ~~device~~ system according to claim 34, wherein said measuring ~~means~~ device is adapted to measure the position of said processing devices which are mobile stations from a plurality of information items transmitted by the detected base station.

36. (Currently Amended) The ~~device~~ system according to claim 35, wherein said plurality of information items includes a value of the power at the radio signal received from the base station.

37. (Currently Amended) The ~~device~~ system according to claim 35, wherein said plurality of information items further includes a value of a mobility parameter broadcast by the base station.

38. (Currently Amended) The ~~device~~ system according to claim 35, wherein said plurality of information items further includes a value of a position parameter broadcast by the base station.

39. (Currently Amended) The ~~device~~ system according to claim 32, wherein said group of operating criteria includes parameters relating to the configuration capability of said processing devices.

40. (Currently Amended) The ~~device~~ system according to claim 39, wherein the value of said parameters relating to the configuration capability is determined as a function of the content of said computer document to be processed.

41. (Currently Amended) The ~~device~~ system according to claim 32, wherein said group of operating criteria includes characteristics chosen from among a type of processing devices, the ability to process a color file, the ability to process a file on both

sides of a paper, a maximum resolution factor, a number of grey levels or a number of color shades, or a bandwidth available on the network.

42. (Currently Amended) The ~~device~~ system according to claim 32, wherein said group of operating criteria includes a maximum number of documents awaiting processing.

43. (Currently Amended) The ~~device~~ system according to claim 32 further comprising a configuration device that automatically configures ~~means for the automatic configuration of~~ said one processing device .

44. (Currently Amended) The ~~device~~ system according to claim 43, wherein the configuration ~~means~~ device performs the configuration as a function of content of said document to be processed.

45. (Currently Amended) The ~~device~~ system according to claim 43 further comprising ~~means for analyzing~~ an analyzing device that analyzes content of said document to be processed before the configuration.

46. to 49. (Canceled)

50. (Currently Amended) The ~~device~~ system according to claim 48 further comprising ~~means for obtaining a data obtaining device that obtains~~ additional data before choosing a correct configuration.

51. to 54. (Canceled)

55. (Currently Amended) The ~~device~~ system according to claim ~~46~~ 43, wherein the ~~configuration choosing means~~ configuration device is adapted to choose ~~said a~~ correct configuration from among a set of prerecorded configurations for said processing device, dependent on the content of the document.

56. (Currently Amended) The ~~device~~ system according to claim ~~50~~ 43, wherein the ~~configuration choosing means~~ configuration device is adapted to choose ~~said a~~ correct configuration among a set of prerecorded configurations for said processing device, dependent on the content of the document and additional data.

57. (Currently Amended) The ~~device~~ system according to claim 56, wherein said set of prerecorded configurations includes at least a configuration for a draft operating mode, a configuration for the processing of images, a configuration for the processing of graphics, and a configuration for the processing of a text.

58. (Currently Amended) The ~~device~~ system according to claim 55, wherein said set of prerecorded configurations includes subsets containing a configuration

for a draft operating mode, a configuration for the processing of images, a configuration for the processing of graphics, and a configuration for the processing of a text, wherein each subset is defined for a unique combination of type of printing ink and paper used.

59. (Currently Amended) The ~~device~~ system according to claim 31, wherein said processing includes a printing of said computer document, the processing device being a printer.

60. (Currently Amended) The ~~device~~ system according to claim 31, wherein said processing includes a transfer of said computer document over a telephone communication network, wherein the processing devices are modems or facsimile machines.

61. (Previously Presented) The method according to claim 1, wherein said communication network is a local wireless network.

62. (Currently Amended) The ~~device~~ system according to claim 31, wherein said communication network is a local wireless network.

63. (Currently Amended) A mobile station in a wireless telecommunications network, ~~having means adapted to implement a management method according to either one of claims 1 or 61~~ comprising:

a processor for executing computer executable process steps; and

a memory storing computer executable process steps to be executed by the processor, the computer executable process steps comprising steps for executing a method for managing resources of a wireless computer communication network, wherein said network comprises at least one base station and a plurality of processing devices as mobile stations, for processing a computer document stored on a processing control device connected by said network to at least one of said processing devices, said method comprising the steps of (a) locating said processing devices in said network so as to obtain a position of each of said processing devices in said network, said locating step comprising a step of switching a station operating as a mobile station to a base station operating mode when there are an insufficient number of base stations in said network to perform said locating step, and (b) a first selecting step of selecting, from among said plurality of processing devices, at least one processing device as a function of a group of position criteria relating to the position of said processing devices, so as to obtain a first selected group of processing devices.

64. (Canceled)

65. (Currently Amended) A base station in a wireless telecommunications network, ~~having means adapted to implement a management method according to either one of claims 1 or 61~~ comprising:

a processor for executing computer executable process steps; and

a memory storing computer executable process steps to be executed by the processor, the computer executable process steps comprising steps for executing a method

for managing resources of a wireless computer communication network, wherein said network comprises at least one base station and a plurality of processing devices as mobile stations, for processing a computer document stored on a processing control device connected by said network to at least one of said processing devices, said method comprising the steps of (a) locating said processing devices in said network so as to obtain a position of each of said processing devices in said network, said locating step comprising a step of switching a station operating as a mobile station to a base station operating mode when there are an insufficient number of base stations in said network to perform said locating step, and (b) a first selecting step of selecting, from among said plurality of processing devices, at least one processing device as a function of a group of position criteria relating to the position of said processing devices, so as to obtain a first selected group of processing devices.

66. (Canceled)

67. (Currently Amended) A system according to Claim 31, wherein the system comprises a wireless telecommunications network; having means adapted to implement a management method according to either one of claims 1 or 61.

68. (Canceled)

69. (Currently Amended) An information storage means which can be read by a computer or microprocessor storing instructions of a computer program, said program

comprising computer executable process steps implementing a method according to either one of claims 1 or 61 for managing resources of a wireless computer communication network, wherein said network comprises at least one base station and a plurality of processing devices as mobile stations, for processing a computer document stored on a processing control device connected by said network to at least one of said processing devices, said method comprising the steps of:

locating said processing devices in said network so as to obtain a position of each of said processing devices in said network, said locating step comprising a step of switching a station operating as a mobile station to a base station operating mode when there are an insufficient number of base stations in said network to perform said locating step; and

a first selecting step of selecting, from among said plurality of processing devices, at least one processing device as a function of a group of position criteria relating to the position of said processing devices, so as to obtain a first selected group of processing devices.

70. (Canceled)

71. (Canceled)